

SYSTEM AND METHOD FOR GATHERING SEISMIC DATA

Inventor: Geza Nemeth
Attorney Docket No. 13109.11

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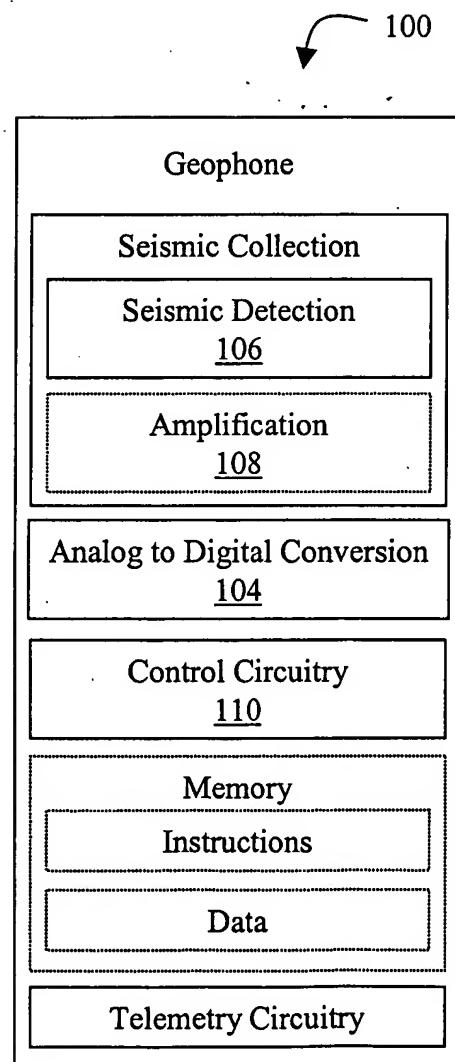


Figure 1

SmartPhone™

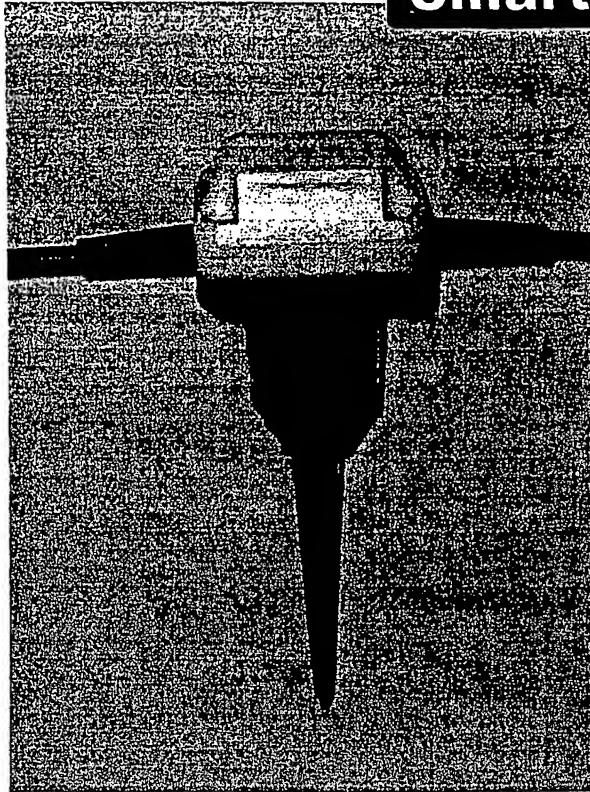


Figure 2A

**SmartPhone™ with
Cover Removed**

**Assembled
SmartPhone™**

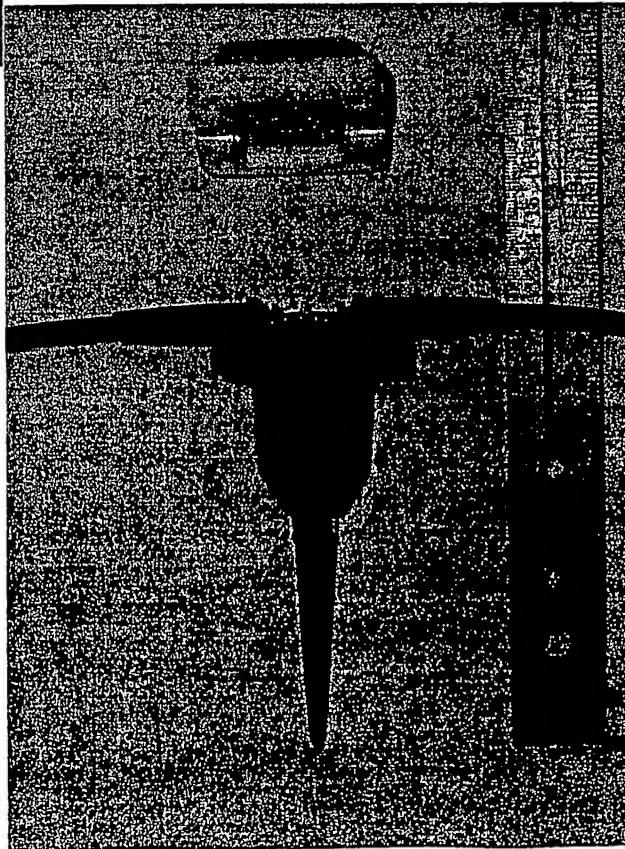


Figure 2B

Interface Board Assembly

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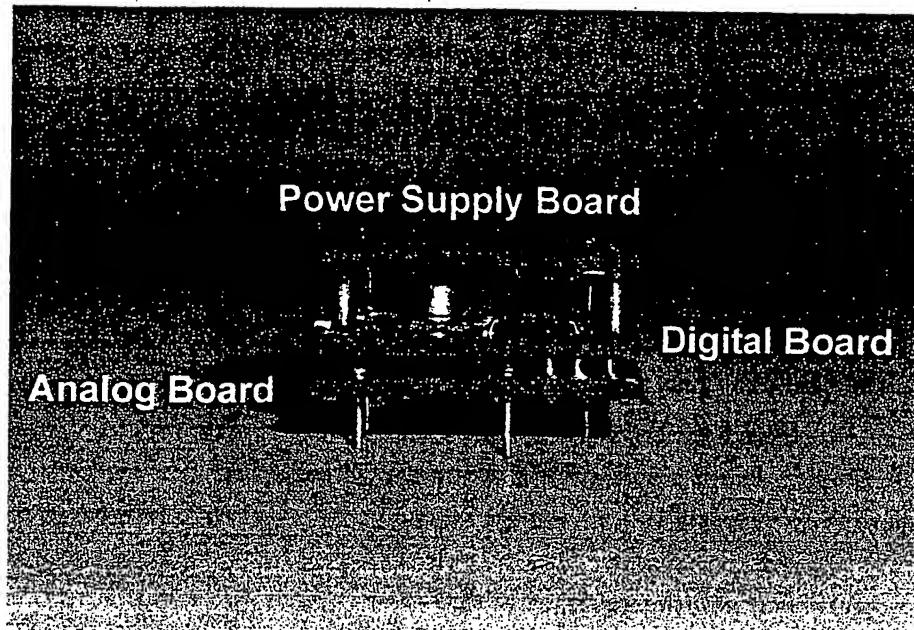


Figure 3

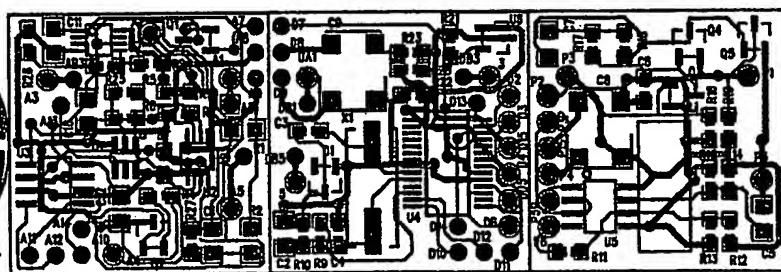
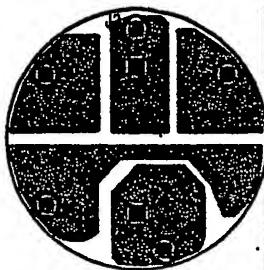
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**ANALOG
+5A
AGND**

DIGITAL
+5D
DGND

POWER
+5C
CGND
XCV

NOTES:

1. ANALOG AND DIGITAL FOLD CIRCUIT SIDES TOGETHER
2. POWER AND DIGITAL FOLD COMPONENT SIDES TOGETHER
3. WHEN FOLDED X1 COMPONENT ON DIGITAL BOARD SHOULD FOLD OVER A BLANK AREA ON POWER BOARD.
4. TP1...TP5 WILL HOLD PINS THAT PLUG INTO JUG BOARD.
5. SIGNALS SENSOR+ AND SENSOR- (TP1 & TP2):
 - A. MUST BE ROUTED TOGETHER.
 - B. MUST BE KEPT AWAY FROM OTHER SIGNALS.
 - C. SHOULD BE 'SHIELDED' WITH AN AGND LAND

Figure 4

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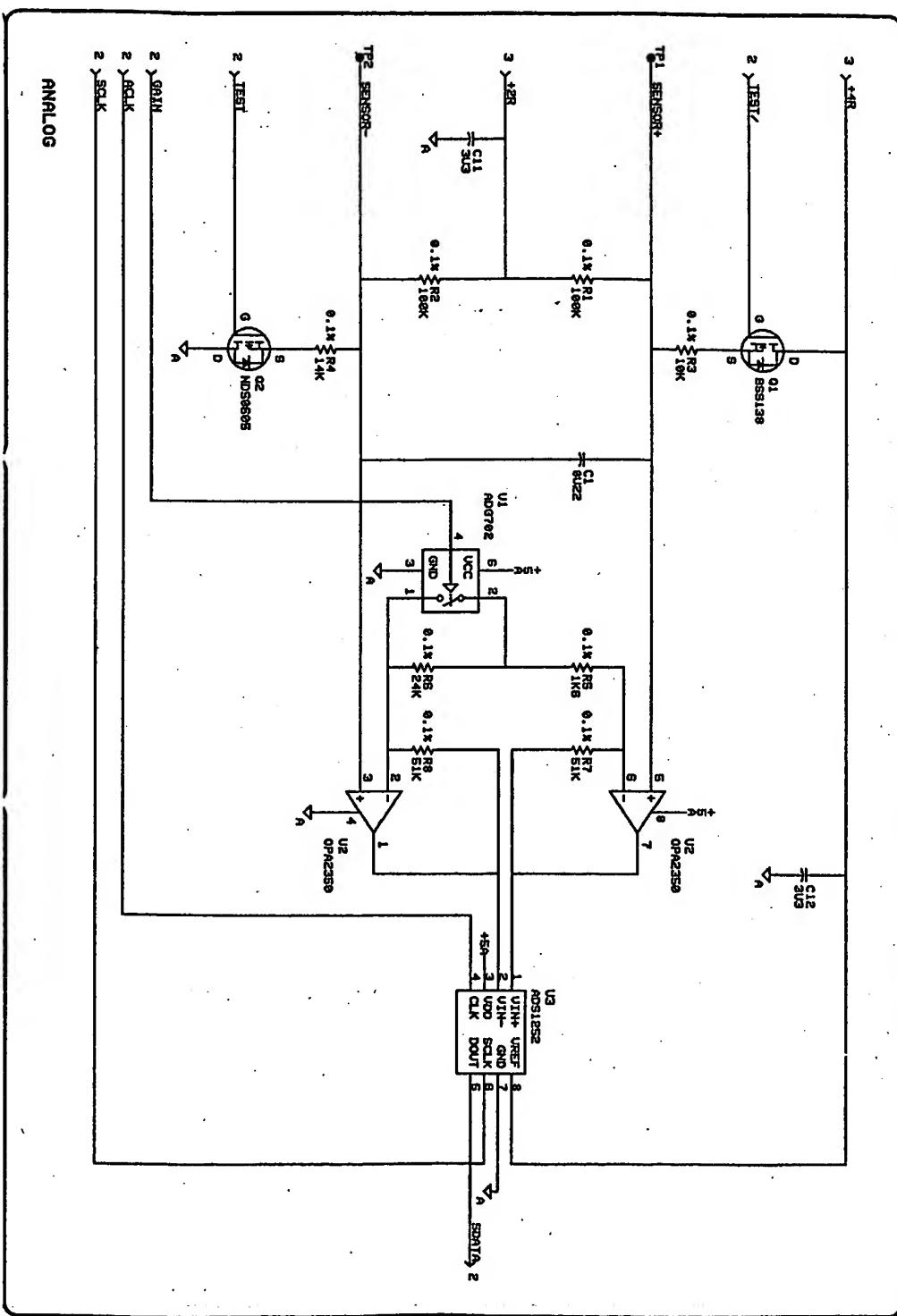


Figure 5

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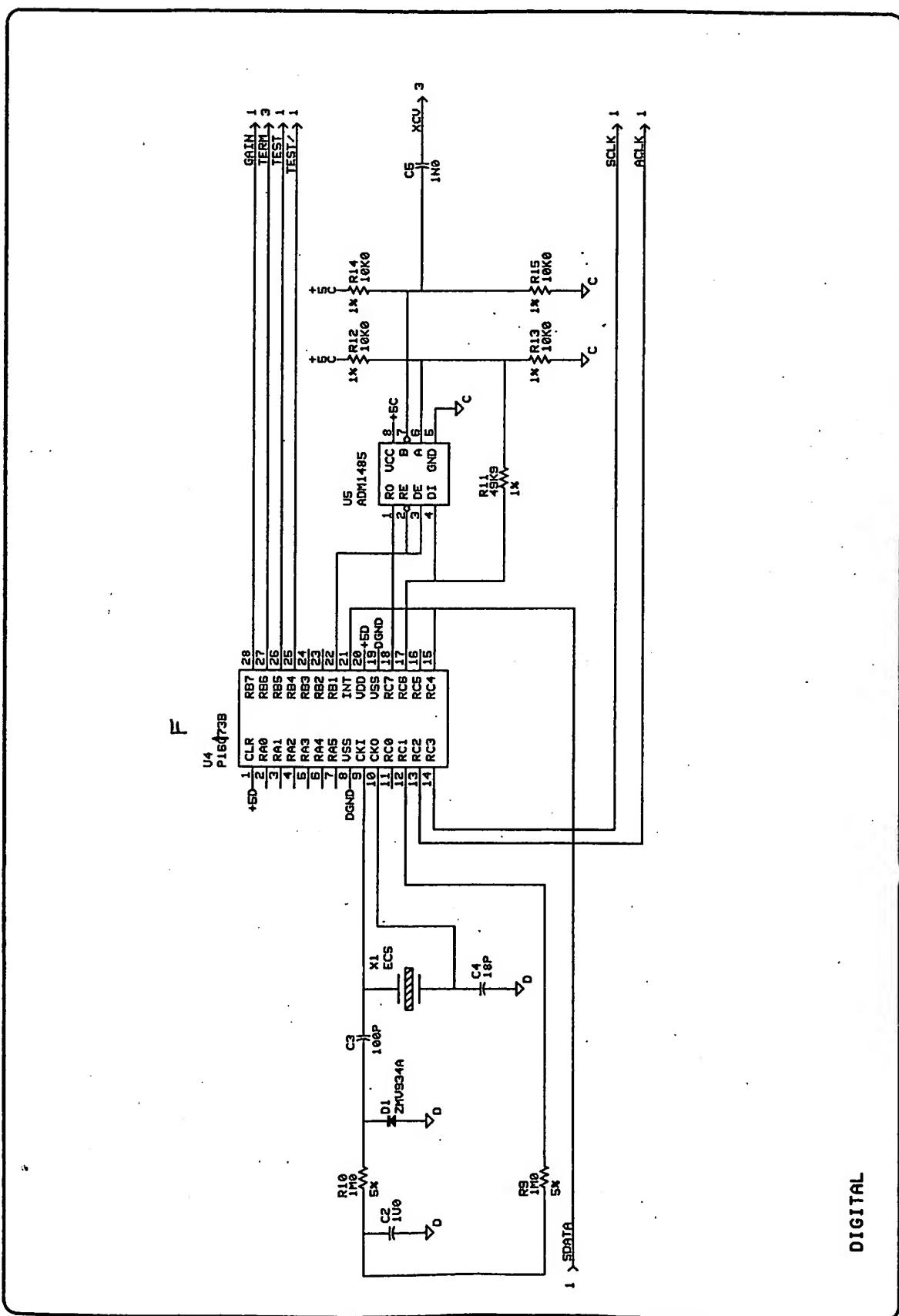


Figure 6

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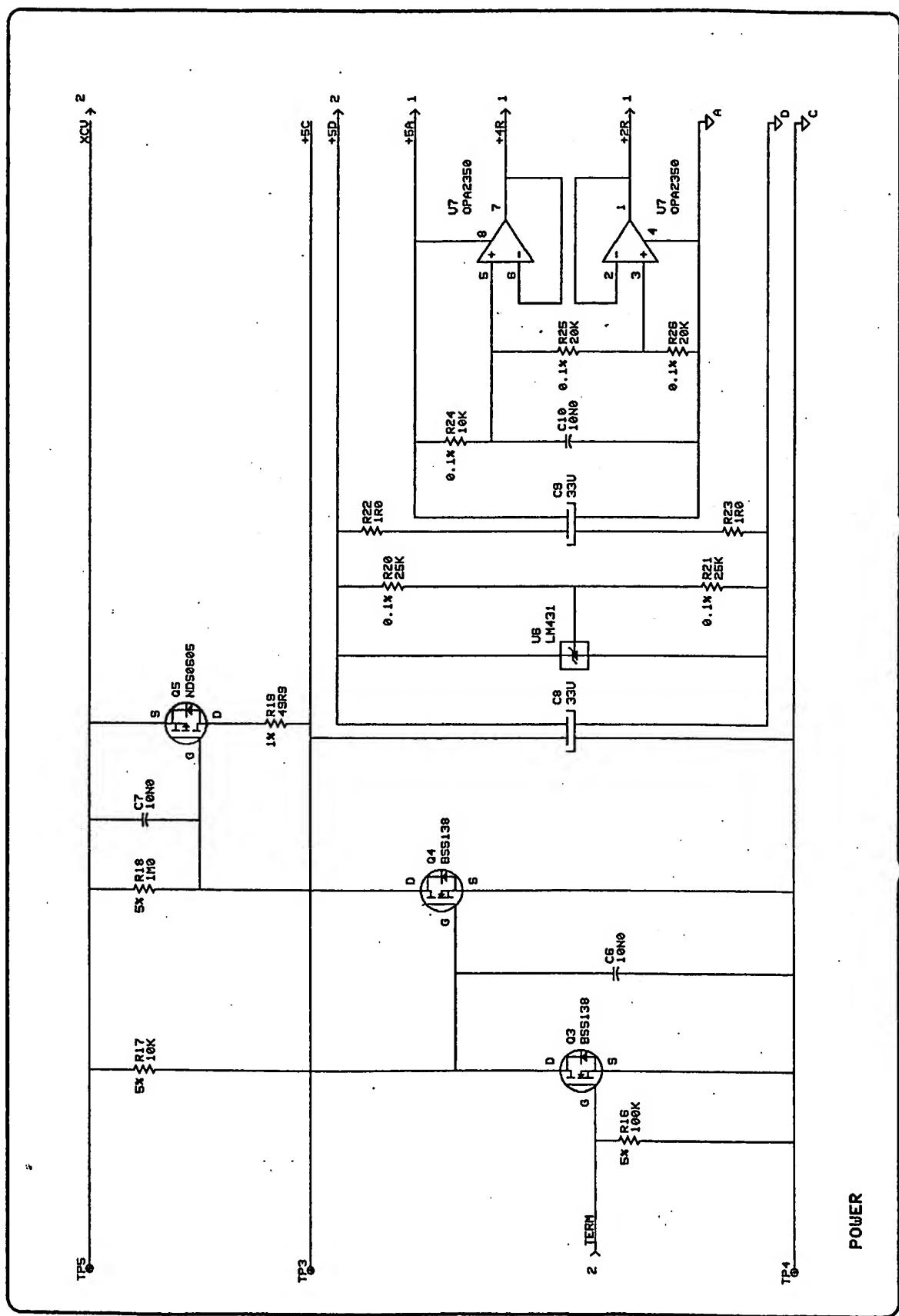


Figure 7

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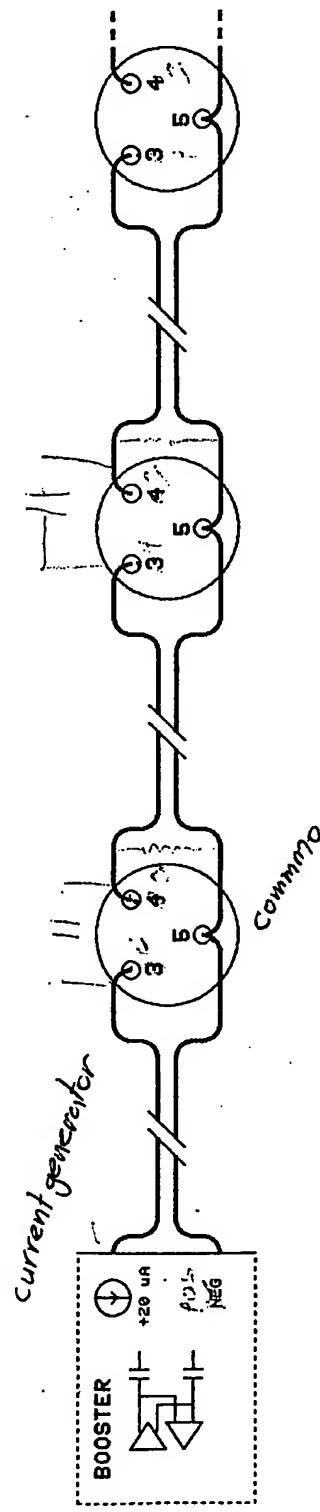


Figure 8

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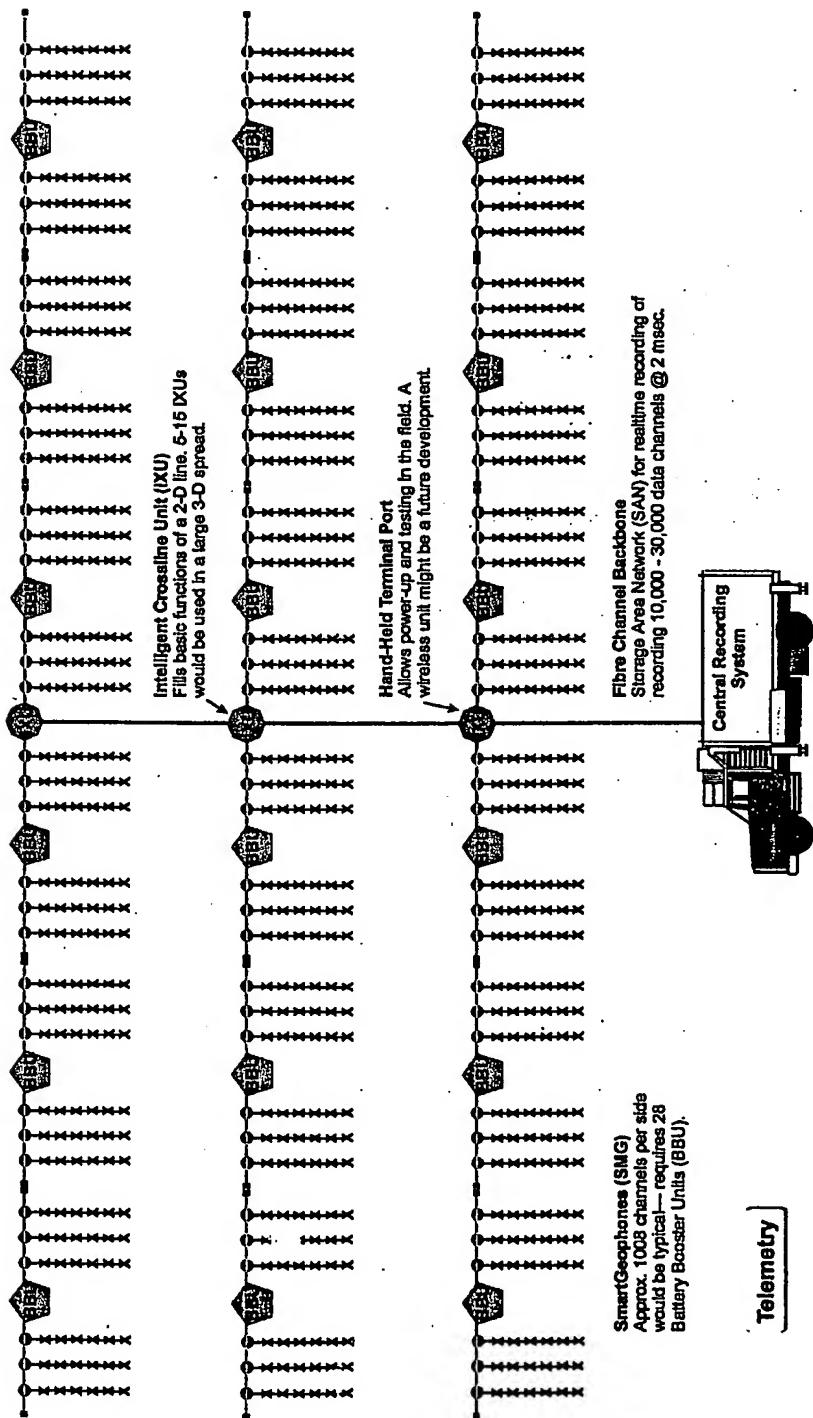


Figure 9